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(54) **LNG DISPENSER**(71) Applicant: **BPC Acquisition Company**, Spring Lake, MI (US)(72) Inventors: **Sarah Ann Lambrix**, Grand Haven, MI (US); **Chad Robert Paffhausen**, Spring Lake, MI (US); **Adam Kenneth Simon**, Norton Shores, MI (US); **Jonathan M Rathbun**, Belmont, MI (US)(73) Assignee: **BPC Acquisition Company**, Spring Lake, MI (US)

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See application file for complete search history.

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(57)

ABSTRACT

A method is provided for verifying integrity of a recirculation valve in a recirculation line of an LNG dispenser. The method includes: closing the recirculation valve and a fill valve in a supply line that supplies LNG; monitoring a mass of the LNG flowing through the recirculation line to ensure that the mass flowing therethrough is less than an acceptable threshold; and aborting any pending sales if the mass of the LNG flowing therethrough is not less than the acceptable threshold. According to another embodiment, a method is provided for verifying integrity of a vent valve in an LNG dispenser. The method includes: closing the vent valve and opening a fill valve in a supply line that supplies LNG; monitoring the pressure of the LNG within the fill hose to ensure that the pressure remains steady; and aborting any pending sales if the pressure does not remain steady.

20 Claims, 6 Drawing Sheets

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